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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/047,730	11/13/2001	Carmen A. Covelli	LP5140 USNA	5983
23906	7590	05/22/2003	EXAMINER	
E I DU PONT DE NEMOURS AND COMPANY LEGAL PATENT RECORDS CENTER BARLEY MILL PLAZA 25/1128 4417 LANCASTER PIKE WILMINGTON, DE 19805			MUROMOTO JR, ROBERT H	
		ART UNIT	PAPER NUMBER	
		3765	3	
DATE MAILED: 05/22/2003				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/047,730	COVELLI, CARMEN
	Examiner Robert H Muromoto, Jr.	Art Unit 3765

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 13 November 2001.

2a) This action is FINAL.      2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1-11 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-11 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 13 November 2001 is/are: a) accepted or b) objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

    1. Certified copies of the priority documents have been received.

    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ .
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .	6) <input type="checkbox"/> Other: _____ .

## **DETAILED ACTION**

### ***Specification***

The abstract of the disclosure is objected to because the recitations "The invention provides..." and "the invention further provides...". Correction is required. See MPEP § 608.01(b).

### ***Information Disclosure Statement***

The information disclosure statement filed 11/13/01 fails to comply with 37 CFR 1.98(a)(1), which requires a list of all patents, publications, or other information submitted for consideration by the Office. It has been placed in the application file, but the information referred to therein has not been considered.

### ***Drawings***

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the fabric of claims 1-7 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Figures 1-6 which are taken from a patent from another inventor should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are

required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

***Claim Objections***

Claim 1 is objected to because of the following informalities: the recitation "bicoponent" appears to be a typographical error. Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Scherbel in view of Woodward.

Scherbel teaches an elastic interlining which comprises a woven fabric. The woven fabric uses bicomponent fibers based on polyester polymers constructed of two different diols (PET and PTT) to take advantage of the differing properties of crystallinity PET being the more crystalline (stiffer) of the two. These multicomponent fibers can be mixed with other fibers during production of yarn to reduce costs. Wool, viscose, or cotton threads can be used. Additionally, it is possible to use a mixture of multicomponent fibers for example with polyester, polyamide, PAN together with the above mentioned wool, viscose, or cotton fibers, it is possible to use textured or non-textured staple fiber yarns. In this case it is possible to use the multicomponent fibers for the weft threads, optionally admixed with the above materials.

It is also possible for threads composed of bicomponent fibers and conventional threads to occur alternately within the weft.

Although the teachings of Scherbel teach essentially all of the limitations of the instant invention, Scherbel does not teach the specific double pick insertion, heat-set crimp value, yarn elongation, fabric design, normalized unload power, or percentage by weight of bicomponent fiber as recited in the instant invention.

However, Woodward does teach an elastic fabric that comprises elastic and non-elastic weft yarns in alternating relationship or paired in groups of two picks (coinsertion) to help restrict the total stretch of the elastic fiber to give the fabric very high elastic recovery.

Therefore it would have been obvious to one of ordinary skill in the art to pair a spun staple cotton yarn with a more elastic bicomponent yarn in an alternating pick or paired as double picks to produce an elastic fabric with high recovery.

With respect to the limitations of heat-set crimp value, yarn elongation, fabric design, normalized unload power, or percentage by weight of bicomponent fiber, the specification contains no disclosure of either the critical nature of the claimed limitations nor any unexpected results arising therefrom, and that as such the limitations were arbitrary and therefore obvious. Such unsupported limitations cannot be a basis for patentability, since where patentability is said to be based upon particular dimensions or another variable in the claim, the applicant must show that the chosen variables are critical. *In re Woodruff*, 919 F.2d 1575, 1578, 16 USPQ2d 1934 (Fed. Cir. 1990). One having ordinary skill in the art would be able to determine through routine

experimentation the ideal levels of heat-set crimp value, yarn elongation, fabric design, normalized unload power, or percentage by weight of bicomponent fiber for a particular application.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Oue teaches a PTT yarn, Abe teaches a PTT yarn, Cruz teaches a fabric using PET and PTT, and Koch teaches a fabric with elastic double picks.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert H Muromoto, Jr. whose telephone number is 703-306-5503. The examiner can normally be reached on 8-530, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Calvert can be reached on 703-305-1025. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9302 for regular communications and 703-872-9303 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0861.

bhm  
May 13, 2003

  
JOHN D. CALVERT  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700